1. (amended) An optical structure for processing optical energy comprising a metal layer having a first surface comprising a plurality of voids having a dimension less than the wavelength of optical energy being processed and an active or non-linear material operatively associated with at least a portion of the plurality of voids.

10. (amended) The structure of Claim 1 wherein the active or non-linear material is placed adjacent the voids.

11. (amended) The structure of Claim 1 wherein the active or non-linear material is placed inside said voids.

12. (amended) The structure of Claim 1 wherein the active or non-linear material is in the form of a layer on top of said metal layer.

13. (amended) The structure of Claim 1 wherein the active or non-linear material comprises one or more active or non-linear layers placed between a substrate and said metal layer.

15. (amended) The structure of Claim 1 wherein the active or non-linear material is placed at least partially in the voids.

16. (amended) The structure of Claim 1 wherein the active or non-linear material fills the voids.

18. (amended) A method for optical processes comprising directing optical energy at a first surface of a metal layer, said surface comprising one or more voids having a dimension less than the wavelength of optical energy being processed and an active material operatively associated with at least a portion of the plurality of voids.

28. (amended) A laser comprising a metal layer having a first surface comprising a plurality of voids, said voids having a dimension less than the wavelength of optical energy being processed and an active material operatively associated with at least a portion of the plurality of voids.

29. (amended) An LED structure comprising a metal layer having a first surface comprising a plurality of voids, said voids having a dimension less than the wavelength of optical energy being processed and an active material operatively associated with at least a portion of the plurality of voids.

Please add new Claim 30 reading as follows:

30. An optical switch structure comprising a metal layer having a first surface comprising a plurality of voids, said voids having a dimension less than the wavelength of optical energy being processed and a non-linear material operatively associated with at least a portion of the plurality of voids.

Please cancel Claim 14.